

CITY OF LINCOLN
COUNTY OF LANCASTER

Vince M. Mejer
Purchasing Agent

(402) 441-7410 FAX: (402) 441-6513
purchasing@lincoln.ne.gov

QUOTATION REQUEST

Quote Prices F.O.B. Destination
Lincoln, Nebraska

Date - 5/30/07
Order No. - 1943 OQ
Date Due - 06/04/07

QUOTATIONS MUST BE RECEIVED IN
THE PURCHASING DIVISION OFFICE BY
THE DUE DATE SPECIFIED ABOVE

PLEASE MAKE NECESSARY VENDOR
INFORMATION CORRECTIONS ON THIS FORM:

VENDOR INFORMATION

Return Quotation Request To:

Purchasing Division
K-Street Complex
440 S 8th St Ste 200
Lincoln NE 68508
Walla, Bob

Buyer

Spgo

Item Number / Description	Quantity	UM	Unit Price	Total Price
6901400 Analyzers and Accessories	1	EA		
Interface Level Analyzer - Royce Model 2505 OR EQUIVALENT Rear Rail Mount, 115 VAC, with Enclosure Heater See attached specs for additional information				
6901400 Analyzers and Accessories	1	EA		
Dual Crystal Ultrasonic Sensor - Royce Model-OR EQUIVALENT Includes TR25 Transmitter with Handrail Mount Quick Release Handrail Bracket Swingout Bracket for surface skimmers SEE SPECS FOR MORE INFORMATION				
6901400 Analyzers and Accessories	1	EA		
Stainless Steel Sunshade for Interface Level Analyzer				
Price includes delivery to: Northeast Wastewater Plant 7000 N. 70th Street Lincoln, NE 68521				

VENDOR MUST COMPLETE THE FOLLOWING

The undersigned represents and warrants that he/she has full and complete authority to submit this quotation and to enter into a contract upon acceptance by the City/County. The undersigned agrees to comply with all conditions above and on reverse side of this document.

COMPANY NAME _____

BY (PRINT NAME) _____

ADDRESS _____

SIGNATURE _____

TELEPHONE _____

TITLE _____

FAX _____

DATE _____

EMAIL ADDRESS _____

DELIVERY SCHEDULE _____

DAYS ARO

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Please fax your quotation back to us by 4:30 p.m. on the
above referenced date. Fax to attention of Bob Walla
at 402-441-6513.

Coming soon Electronic Bidding (E-Bidding).
Check out our Website at www.lincoln.ne.gov
for vendor registration beginning June 11 and get your
business registered.

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DAYS ARO

**PURCHASING DIVISION
CITY OF LINCOLN AND LANCASTER COUNTY, NEBRASKA
INSTRUCTIONS TO BIDDERS**

1. **BIDDING PROCEDURE** - A bid by a corporation must be signed in the name of such organization by a duly authorized official thereof. Any person signing a bid for a firm, corporation, or other organization must show evidence of his authority so to bind such firm, corporation, or organization. Most departments of the City of Lincoln and Lancaster County agencies are exempt from federal excise taxes and state and local sales and use taxes. Kindly bid without taxes. The City/County will be responsible for paying any taxes which may be due.
2. **FAIR EMPLOYMENT PRACTICES** - Each bidder agrees that he/she will not discriminate against any employee or applicant for employment because of age, race, color, religion, ancestry, national origin, disability, sex or marital status, and that he will take affirmative action to assure that applicants are employed and that employees are treated during employment without regard to age, race, color religion, ancestry, national origin, disability, sex or marital status.
3. **DATA PRIVACY** - Bidder agrees to abide by all applicable State and Federal laws and regulations concerning the handling and disclosure of private and confidential information concerning individuals and corporations as to inventions, patents and patent rights. The bidder agrees to hold the City/County harmless from any claims resulting from the bidder's unlawful disclosure or use of private or confidential information.
4. **INDEPENDENT PRICE DETERMINATION** - By signing and submitting this bid, the bidder certifies that: The prices in this bid have been arrived at independently, without consultation, communication or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor.
5. **CLARIFICATION OF SPECIFICATION DOCUMENTS** - Bidders shall promptly notify the Purchasing Agent of any ambiguity, inconsistency or error which they may discover upon examination of the specification documents. Interpretations, corrections and changes made to the specification documents will be made by written addenda. Oral interpretations or changes to the Specification Documents made in any other manner, will not be binding on the City/County; and bidders shall not rely upon such interpretations or changes. No addendum will be issued later than forty-eight (48) hours prior to the date and time for receipt of bids, except: An addendum withdrawing or postponing the invitation to bid.
6. **BRAND NAMES** - If and wherever in the material specifications or proposal form brand names, make, manufacturer, trade name, or vendor catalog number is specified, it is for the purpose of establishing a grade or quality of material only; and the term "or equal" is deemed to follow. It is the bidder's responsibility to identify any alternate items offered in the bid, and prove to the City/County that said item is equal to or better than the product specified. If variations are not stated in the proposal, it will be assumed that the item being bid fully complies with the City/County's specifications.
7. **DEMONSTRATION/SAMPLES** - If requested, the bidders shall, at bidder's expense, demonstrate and/or furnish samples of the exact item(s) proposed within seven (7) calendar days from receipt of such request from the City/County.
8. **DELIVERY** - Each bidder shall state on his proposal form the date upon which he can make delivery of all equipment or merchandise. F.O.B. to the City/County at the location specified by the City/County, with all transportation charges paid.
9. **WARRANTIES, GUARANTEES AND MAINTENANCE** - A copy of the manufacturer's warranties and/or guarantees for the items being bid must accompany your proposal. A copy of your company's maintenance policies and costs must also accompany your proposal. Replacement parts of defective components shall be shipped to the City/County at no cost. If defective parts are required to be returned to the bidder, the shipping costs shall be borne by the bidder.
10. **ACCEPTANCE OF MATERIAL** - The finished materials must be new, the latest make or model, of the best quality, unless otherwise specified, and the highest grade workmanship. The material delivered under this proposal shall remain the property of the bidder until a physical inspection and actual usage of this material and/or service is made, and thereafter is accepted by the City/County. The material delivered must be fully in accord with specification documents. In the event the material and/or services supplied to the City/County is found to be defective or does not conform to specification documents, the City/County reserve the right to cancel the order upon written notice to the bidder and return materials to bidder at the bidder's expense. Successful bidder shall be required to furnish title to the material, free and clear of all liens and encumbrances, issued in the name of the City of Lincoln or Lancaster County, Nebraska, as required by the contract documents or purchase orders. Selling dealer's advertising decals, stickers or other signs shall not be affixed to the equipment; vehicle mud flaps shall be installed blank side out with no advertisements. Manufacturer's standard production forings, stampings, nameplates and logos are acceptable.
11. **BID EVALUATION AND AWARD** - The signed bid shall be considered an offer on the part of the bidder. Such offer shall be deemed accepted upon issuance by the City/County of purchase orders, contract award notifications, or other contract documents appropriate to the work. No bid shall be modified or withdrawn for a period of sixty (60) calendar days after the time and date established for receiving bids, and each bidder so agrees in submitting the bid. In case of a discrepancy between the unit prices and their extensions, the unit price shall govern. The City/County reserve the right to accept or reject any or all bids, or part of bids, to waive irregularities and technicalities, and to request rebids on the material described in the specification documents.
12. **TERMS OF PAYMENT** - Unless other specification provisions state otherwise, payment in full will be made by the City/County within thirty (30) calendar days after all labor has been performed and all equipment or other merchandise has been delivered, and all such labor and equipment and other materials have met all contract specifications.
13. **LAWS** - The Laws of the State of Nebraska shall govern the rights, obligations, and remedies of the Parties under this proposal and any agreement reached as a result of this process.

Quote Specs - 1943 OQ

ROYCE INTERFACE LEVEL ANALYZER

(REVISED 1/12/2006)

MODEL 2505

The system shall consist of two major components plus at least one Hand-Held Terminal for all the systems required.

1. Analyzer
 - A. Programmable using Model 2 programmer or a laptop computer
 - B. Clarity displayed and outputted
 - C. Correction for distance loss software
 - D. Peak or edge selection software
 - E. Offset adjustment
 - F. Ignore spurious echoes software using the first derivative
2. Transducer
3. One Hand Held Terminal or Software with connection cable

The unit shall conform to CE safety standards. The system shall operate on the principal of reflected ultrasonic sound distance determination. The system shall not require the transducer to come in contact with the interface. The transducer shall be placed within 75 feet of the analyzer.

The system shall be capable of monitoring interfaces continuously in the following programmable ranges:

- 0.1 - 25.0 Feet with a resolution of 0.1 Feet
- 0.2 - 50.0 Feet with a resolution of 0.2 Feet
- 0.3 - 75.0 Feet with a resolution of 0.3 Feet
- 0.4 - 99.9 Feet with a resolution of 0.4 Feet

The system shall have "Dead Zones" that are programmable by the operator. the system shall have "Minimum" detectable ranges of two inches from the bottom and twelve inches under the sensor. The system shall have a "Minimum" detectable interface density of 100 mg/l.

The analyzer shall operate from either 115 or 230 VAC. The monitor shall operate at temperatures from -30 to 50 Deg. C. The monitor is available with a thermostatically controlled heater for temperatures below -10°C.

Interface Level Analyzer Model 2505 -

The analyzer shall be housed in a NEMA 4X enclosure with brackets for wall or standard round handrail mounting. The analyzer shall be fully microprocessor controlled. It shall have

one display. This display shall be an LCD digital display displaying the numerical value programmed in tenths of a foot. It shall have a maximum range of 0-99.9 feet.

The display shall be visible from the front of the instrument without opening the enclosure. The analyzer shall not require any external switches, contacts or inputs of any kind to determine the interface location or to reposition the transducer for any reason. The circuitry will provide the following basic functions:

The readout shall display error codes relative to specific internal Self-Diagnostics. These shall include:-

1. No tank depth entered
2. All components are functioning, but the analyzer cannot find an interface. This would occur if the tank were to be totally unsettled or the interface was in one of the two "Dead Zones".
3. The analyzer is not receiving any signals indicating a transducer failure. The analyzer shall have the following outputs:

1. 2 Individually Programmable SPDT relays rated 6 amps.
2. 4 – 20 ma isolated output representing the level, which can be scaled to any range.
3. 4 – 20 ma isolated output representing clarity with a range of 0 – 100%
4. Digital Serial Interface RS 485.
5. Digital communication port for the Hand-Held Terminal.

Instrument Formatting

It shall be capable of at least displaying continuously the value for one of the following:-

1. The most settled interface
2. The top of the unsettled area just above the most settled area.
3. The settled area closest to the top dead zone.

These values can be formatted as follows:-

- A. Interface depth from the bottom up in feet or meters.
- B. Interface distance from the transducer face down in feet or meters
- C. Interface as a percent of the total tank depth.

The analyzer shall have at least the following "Test" capabilities:

1. Lamp Test of all digits and indicators.
2. Constant current output for 4 and 20 milliamps.
3. Relay test to activate the relays.
4. Tank profile output test. The analyzer shall be capable of sending a digital graphic profile of the tank directly over the digital output provided.

The analyzer shall have at least the following "Program" capabilities:

1. Program the time for averaging the signals in minutes. This is to give greater definition and avoid any process variations caused by rakes, skimmers or other such devices.
2. Be capable of scaling the 4 and 20 milliamp output to any numbers within the range of the instrument, at a resolution of .1 foot.
3. Be capable of setting the baud rate for the serial port at 300, 600, 1200, 2400, 4800 or 9600 baud.
5. Speed of sound correction software.

The analyzer shall be capable of being set to understand the actual tank bottom.

Royce Hand-Held Terminal

The Royce Hand-Held Terminal shall be in a moisture resistant enclosure. It will include an eight hour rechargeable memory-free battery. It will connect to the Analyzer with a quick disconnect cable. It will not be necessary to open either the analyzer or the Hand-Held Terminal to establish a connection between the analyzer and the Hand-Held Terminal.

All of the Instrument Formatting functions shall be accomplished through the Royce Hand-Held Terminal. All the formatting instructions on the Hand-Held unit shall be in plain language help screens. In addition the following minimum information shall be available on the Hand-Held terminal:-

1. A profile of the relative density changes occurring in the tank.
2. A programmable 3, 6, 12 or 24 hour historic trend plot of the numeric display readings

The Transducer

The transducer shall be waterproof and include up to 75 feet of cable (Standard is 25 Feet) for connection to the analyzer. It shall come ready to receive a mounting pipe supplied by others. It shall be supplied with either fixed mounting hardware or a pivoting bracket where the application requires. The transducer can be of single or dual crystal design. The single crystal design must be capable of measurement within 6" of the sensor, and/or must be able to operate at up to 105°C in a pH range of 1-13. The dual crystal design; one crystal for transmitting an ultrasonic signal, the other for receiving the signal, must be capable of measurement within 6" of the sensor.

The standard transducer shall have a temperature operating range of -30 to 80°C, and the optional harsh environment transducer shall have a temperature range of -30 to 105°C